

~~1809~~ 1809
1809
1828

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1809 to 1828

20
11
132

1809 86 X 8 Plantation Flats

W E limestone at the

Ship's Head Crn : 3

1810

Ship's Head SW 1/2 W

C P Flat SE 1/2 E ✓

Limestone E N E

1811

Ship's Head NW 1/2 N

New River SW X N

Knoll Trap N M X N

1812

Ship's Head S X N 1/2 N

M M R T N E X N ✓

String N. M X S

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No. 12, 1

Date, Aug 22 1870

Time of day, 10 A.M.; of tide, Flood

Locality, Chesapeake Bay

Exact position, Station No 38 8 1/4 miles

Chesapeake Bay 8 1/4 E 2 1/8 "

Depth, 13 fms

Nature of bottom, Sand

Dredging instrument used, 7 ft beam trawl

Direction of drift, E & S; distance, 1/8 mile

Temperature of air, 60 therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.022 temp., 53

" at depth of fathoms, "

" at bottom, 1.022 " 54

Number of salinometer,

Barometer reading, 30.02

State of sky, cloudy

Direction of wind, SW; force, 3

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S.A. Fish Commission

Service to which attached, U.S. Fish

Name and rank of commanding officer,

Robert Gibbons, Jr.,

Name and position of observer,

John H. T. M. V. C. T. F.

NOTES RELATING TO STATION NO. 1802

Brockton Flats
100 ft. above Black Rock
inches

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 100

Date, Nov. 20

Time of day, 9 A.M. of tide, High

Locality, Between Jersey Key

Exact position, $\frac{1}{2}$ mile SW of Jersey Key

Bouy No 8

Depth, 24 fms

Nature of bottom, Sand

Dredging instrument used, Dredge

Direction of drift, E & S ; distance, 1 mile

Temperature of air, 60 therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, fathoms, "

Density at surface, 1.020 temp., 57.4

" at depth of fathoms, "

" at bottom, 1021.6 " 58

Number of salinometer,

Barometer reading, 30.04

State of sky, Partly cloudy

Direction of wind, N.E. ; force, 3

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel U.S. Fish Hawk

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer,

John M. Holt, Jr. Lt. Comm.

Name and position of observer,

John M. Holt, Jr.

Scientific Officer

NOTES RELATING TO STATION NO. 110

Hog island ^{2 miles off} above, 20 fms. depth
Lobster Whaler, 12 fm. long
Crabs - *Neptunus gibberulus*

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No. 1

Date, Jan. 10, 1876

Time of day, 11, 04 ^{Min.}: of tide, High

Locality, New Eng. H. & W. S. 85 $\frac{1}{4}$ miles

Exact position, New Eng. H. & W. S. 85 $\frac{1}{4}$ miles

Wolf Trap Se-140 N X 244 $\frac{1}{2}$

Depth, 6 fms.

Nature of bottom, Sand

Dredging instrument used, Dredge

Direction of drift, S. E. : distance 40 miles

Temperature of air, 6 therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 2 temp., 58

" at depth of fathoms, "

" at bottom, 10 temp., 57

Number of salinometer.

Barometer reading, 30.03

State of sky, Partly cloudy

Direction of wind, N. E. : force, 2

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S. S. Fish Hawk

Service to which attached, U.S. Fish Hawk

Name and rank of commanding officer,

Robert Peale, Lt. U. S. N. M.

Name and position of observer,

John M. Langford
Master & Son

NOTES RELATING TO STATION NO. 1811

Spotted Whiting *Thunnus*
virgatus *latus* *frontalis*

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No. 162

Date, November 10, 1873

Time of day, 1 P.M. : of tide, High

Locality, ~~in~~ ~~along~~ ~~the~~ ~~edge~~ ~~of~~ ~~the~~ ~~bank~~

Exact position, $\frac{1}{2}$ mile ~~NE~~ ~~SE~~ of Stingray.

Lat 40°

Depth, 4 fathoms

Nature of bottom, Hard

Dredging instrument used, Dredge

Direction of drift, ~~W.W.W.~~ ; distance, 1/2 mile

Temperature of air, 57° therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 101.2 temp., 57

" at depth of fathoms, "

" at bottom, 101.6 temp., 59

Number of salinometer,

Barometer reading, 30.8

State of sky, ~~clear~~

Direction of wind, N.E. : force, 3

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S.A. Fish Hawk

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer,

Robert Dale Lt. 26 S.M.

Name and position of observer,

W. C. M. Mather
Master's Mate

NOTES RELATING TO STATION NO.

~~145~~ 145

145

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No. 1213

Date, Aug 18 (0 hr)

Time of day, 11:30 : of tide, High

Locality, Between Banks

Exact position,

1½ miles N.E. of Smith Pt. to the

Depth, 10 fms

Nature of bottom, Hard

Dredging instrument used, B

Direction of drift, -

Temperature of air, 44

" of surface water, "

" at depth of fathoms, "

" at bottom, -

Density at surface, 1.0154

" at depth of fathoms, "

" at bottom, 1.0152

Number of salinometer,

Barometer reading, 29.90

State of sky, Cloudy

Direction of wind, N.W. : force, 4

Rain,

Direction of surface current, - : force,

" of bottom " : force,

Name of vessel, U.S. Fish Commission

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer, Dr. J. D. B. Comstock

Name and position of observer,

NOTES RELATING TO STATION NO. 13

Sept 10, 1910

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1814

Date, Aug. 18, 1863

Time of day, 11 A.M.; of tide, High Water

Locality, Middle Passage, Bay of Fundy
Exact position, Between Point Pleasant & Pointe du Bois

Depth, 12 fms.

Nature of bottom, Sand

Dredging instrument used,

Direction of drift, N. E.; distance,

Temperature of air, 62 therm. No.,

" of surface water, 61 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.02 temp., 62

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Partly cloudy

Direction of wind, S.E.; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S.A. Fish Commission

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer, Capt. C. M. Wood

Lt. W. H. Willard

Name and position of observer,

John G. Williams
W. H. Willard

NOTES RELATING TO STATION NO. 1

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 181 -

Date, March 1, 1878

Time of day, 11 A.M.; of tide, High

Locality, Cape Cod Canal

Exact position, Between 10th and 8th S
Lat. 41° 58' N. Lat. 13° 48' E. Long.

Depth, 13 fms. 2 feet

Nature of bottom, Sand

Dredging instrument used,

Direction of drift, SSW; distance, 1/2 mile

Temperature of air, 57 therm. No.,

" of surface water, 55 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.019.2 temp., 42

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky, Partly cloudy

Direction of wind, N.E.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk -

Service to which attached, U.S. Fish Hawk

Name and rank of commanding officer, R. C. M. Smith
Lieut.-Commander

Name and position of observer, J. G. M. Smith -

Position of observer, 100 fms. from dredge

NOTES RELATING TO STATION NO. 2

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1875

Date, March 1st

Time of day. : of tide

Locality, *W. of Lake Superior*

Exact position,

10. *Leucosia* *leucostoma* *leucostoma* *leucostoma* *leucostoma*

Benth. 11/10

Depth, 111

Nature of bottom:

Dredging instrument used,

Direction of drift, SSE :

Temperature of air, 57

of surface water,

" at depth of fathom

at depth of 10 fathoms.

at bottom;

Density at surface, 1012.6

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading, 30.4415

State of sky

Direction of wind

Direction of wind, \angle from N.

Rain,

Direction of surface current,

"of bottom" "

Name of vessel, *U.S.A.T. BOSTON*

Service to which attached, U.S.

Name and rank of commanding officer

Name and rank of commanding officer

NOTES RELATING TO STATION NO. 9

1000 ft.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1817

Date, June 1, 1863

Time of day, 10 A.M.; of tide, High

Locality, Off Cape Cod, Mass., 10 miles

Exact position, Off Cape Cod, Mass.,
about one-half mile SSW from mouth

Depth, 4 fms.

Nature of bottom, Sand

Dredging instrument used,

Direction of drift, N.E.; distance,

Temperature of air, 61 therm. No.,

" of surface water, 61 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.025 temp., 61

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky, Clear

Direction of wind, S.W.; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Commission

Service to which attached,

Name and rank of commanding officer,

F. M. Maffeo

Name and position of observer,

John C. Greene
Graduated Fish

NOTES RELATING TO STATION NO. 111

1. *Handwritten notes:* "111" written twice.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 13

Date, Nov. 12, 1880

Time of day, 1 P.M.; of tide, low

Locality,

Exact position, Sigsbee Bank, off Sigsbee Bank

Lat. 32° 20' N., Long. 120° 45' W.

Depth, 5 fms.

Nature of bottom,

Dredging instrument used,

Direction of drift, ESE; distance, 1 mi.

Temperature of air, therm. No.,

" of surface water, 43 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.00

State of sky, Partly cloudy

Direction of wind, N.E.; force, 2

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S. Fish Commission

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer, Lt. C. M. D.

C. M. D.

Name and position of observer,

NOTES RELATING TO STATION NO. 1

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 8

Date, Jan. 20, 1863

Time of day, 2:30 P.M.; of tide, High

Locality, Fort Monroe

Exact position, Fort Monroe

Water temperature at surface

Depth, 4.1 fms.

Nature of bottom, rocky

Dredging instrument used, dredge

Direction of drift, S X E

Temperature of air, 63

" of surface water,

" at depth of fathoms,

" at bottom,

Density at surface, 1.016

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading, 30.47

State of sky, cloudy

Direction of wind,

Rain,

Direction of surface current,

" of bottom "

Name of vessel, U.S. S. Monitor

Service to which attached, U.S. Navy

Name and rank of commanding officer, C. S. COOPER

Name and position of observer,

NOTES RELATING TO STATION NO. 8

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No.

816

Date,

Time of day, *2.50 P.M.* : of tide, *Low*

Locality,

*Off Cape Cod, Mass.*Exact position, *Fort Point ~~Harbor~~ 1/4 miles**From the light house 3 3/4 miles*Depth, *3.5*Nature of bottom, *Rocky*Dredging instrument used, *Dredge*Direction of drift, *W.N.W.* ; distance, *1/8*Temperature of air, *55°* therm. No.," of surface water, *55.4*

" at depth of fathoms, "

" at bottom, "

Density at surface, *1016* temp., *44.4*

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading, *30.06*State of sky, *Cloudy*Direction of wind, *N.W.* ; force, *3*

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, *U.S.A.T. Albatross*Service to which attached, *U.S. Fish Commission*Name and rank of commanding officer, *R. C. M. M.**W. M. M.*

Name and position of observer,

**NOTES RELATING TO STATION NO...
1**

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 18

Date, May 27, 1873

Time of day, 2 P.M.; of tide, low

Locality, Hinchinbrook Island, 1½ miles

Exact position, Hinchinbrook Island, 1½ miles

Fathoms W. of S. 2½ miles

Depth, 24 fms.

Nature of bottom, sand

Dredging instrument used, Belgian dredge

Direction of drift, S by E; distance, 1½ miles

Temperature of air, 63° therm. No.,

" of surface water, 62.5° "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.025 temp., 63°

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.04

State of sky, clear

Direction of wind, N.W.; force, 2

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S. Fish Commission

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer, Capt. M. M. Hale

U.S. Fish Commission

Name and position of observer,

John C. H. Smith

U.S. Fish Commission

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1244

Date, 21 August 1873

Time of day, 9 A.M. : of tide, High

Locality, S. of Cape Cod

Exact position, $41^{\circ} 5' N.$, $71^{\circ} 30' E.$ $\frac{1}{4}$ miles off coast of Cape Cod

Depth, 15 fms.

Nature of bottom, soft

Dredging instrument used.

Direction of drift, N. : distance, 10 miles

Temperature of air, 64° therm. No.,

" of surface water, 64° "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.024 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer.

Barometer reading, 30.0

State of sky, Partly cloudy

Direction of wind, : force, 2

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel, U.S.A.T. " "

Service to which attached, U.S. N.O.S. "

Name and rank of commanding officer, " "

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 7367
 Date, Aug. 14
 Time of day, 10 A.M. : of tide,
 Locality, 5 miles S.E.
 Exact position, Lat. 35° 45' N. Long. 85° 15' W.
 Depth, 26 fms.
 Nature of bottom, sand.
 Dredging instrument used, dredge.
 Direction of drift, N. E. : distance, 10 miles.
 Temperature of air, 74° therm. No.,
 " of surface water, 74° / temp., 74° /
 " at depth of fathoms, °
 " at bottom, °
 Density at surface, 1.0184 temp., 74° /
 " at depth of fathoms, °
 " at bottom, °
 Number of salinometer,
 Barometer reading,
 State of sky, cloudy, drizzling rain.
 Direction of wind, N. E. : force, 2.
 Rain,
 Direction of surface current, N. E. : force,
 " of bottom " : force,
 Name of vessel, U.S.A.T. " "
 Service to which attached, U.S. Fish Commission
 Name and rank of commanding officer, Dr. C. D. Woodworth
 Name and position of observer,

NOTES RELATING TO STATION NO. 1823

Lorakee Bone Stand. -
Winkles, Barnacles &c &c
Sea urchins, & Oyster shell
with Coral on some, also
Spiral Corals.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 18241

Date, Jan. 1st

Time of day, 10.56 A.M.; of tide,

Locality, ~~off Cape Cod~~Exact position, ~~Plain Harbor~~ 85 miles ~~10 7/8~~
bearing from ~~Plain Harbor~~ 18 1/2 miles

Depth, 23

Nature of bottom, ~~sand~~

Dredging instrument used,

Direction of drift, E 1/2 N; distance, 9 1/2 miles

Temperature of air, 51 therm. No.,

" of surface water, 41 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 20.184 temp., 41

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.23

State of sky, ~~overcast~~ drizzling rain

Direction of wind, " " ; force, 1

Rain,

Direction of surface current, " ; force,

" of bottom " ; force,

Name of vessel, ~~The Fish Hawk~~

Service to which attached, U.S.A.

Name and rank of commanding officer,

~~W. C. Wood~~

Name and position of observer,

~~A. G. Abbott~~

NOTES RELATING TO STATION NO. 126

Melancholy song mostly

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1825

Date, March 1st 1893

Time of day, 11.33th; of tide, HighLocality, ~~Wesleyan Key~~Exact position, ~~Lat. 38° 48' N. Long. 87° 19' E.~~

Miles from nearest land 2 1/4 miles

Depth, 16 fms.

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 57 therm. No.,

" of surface water, 41 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.02 temp., 41

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.22

State of sky, cloudy, drizzling rain

Direction of wind, S. E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " : force,

Name of vessel, U. S. Fish Commission

Service to which attached, U. S. C. S.

Name and rank of commanding officer, Robert H. Scott

Comptd. 27 m.

Name and position of observer, J. G. M.

Master's Log

NOTES RELATING TO STATION NO. 11

Cumbers Fresh

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 445

Date, Jan 18

Time of day, 1.03 P.M. : of tide, Flood

Locality, Rock Jackie Bank

Exact position, New Pt. Mt at W 29° mil

Underwater No.

Depth, 43

Nature of bottom, Hard

Dredging instrument used, Beam Trawl

Direction of drift, East ; distance, 1/4 mile

Temperature of air, 53 therm. No..

" of surface water, 51 "

" at depth of fathoms. "

" at bottom, "

Density at surface, 1.0156 temp., 42

" at depth of fathoms. "

" at bottom, "

Number of salinometer,

Barometer reading, 30.07

State of sky, Partly cloudy

Direction of wind, South : force, 3

Rain,

Direction of surface current. : force, *

" of bottom " : force,

Name of vessel, U.S. S. Fish Hawk

Service to which attached, 26876

Name and rank of commanding officer, Lt. J. C. M. M.

Lieut. C. M. M.

Name and position of observer,

Eng. J. C. M. M.

NOTES RELATING TO STATION NO. 1826

1. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

2. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

3. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

4. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

5. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

6. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

7. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

8. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

9. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

10. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

11. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

12. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

13. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

14. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

15. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

16. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

17. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

18. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

19. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

20. *Pyrrhura* sp. (Blue-winged Parakeet) - Found in the forest.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 1727

Date, Feb. 16, 1882

Time of day, 3.04 p.m.; of tide, Flood

Locality, Between Parker's Bay

Exact position, Simgray Pt. N. 40° 10' W. 10° 30' S. Lat.
Windmill Pt. St. N. 24° 18' W. 10° 47' S. Long.

Depth, 4 fms

Nature of bottom, Shallow

Dredging instrument used, Beam Trawl

Direction of drift, E. N. E.; distance, 1/8 mile

Temperature of air, 63 therm. No.,

" of surface water, 62 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.022 temp., 24.2

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.82

State of sky, cloudy

Direction of wind, East; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, Golfe du Finistere

Service to which attached, U. S. G. S.

Name and rank of commanding officer, Robert M. Scott

U. S. G. S.

Name and position of observer,

NOTES RELATING TO STATION NO. 1

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 1847

Date, March 24th 1893

Time of day, 3.38 P.M.; of tide, Low

Locality, Chesapeake Bay

Exact position, Steeple Point Harbor 1/2 mile

Ward Hill & 3 1/2 A.M. 8 1/2 E 2 fms. below

Depth, 4.2

Nature of bottom, Sand

Dredging instrument used, beam trawl

Direction of drift, N 62 W; distance, 1/2 mile

Temperature of air, 62 therm. No.,

" of surface water, 42 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1014.0 temp., 42

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.82

State of sky, cloudy

Direction of wind, South; force, 1f

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S.A.T. Fish Hawk

Service to which attached, U.S. Fish Commission

Name and rank of commanding officer, Dr. Frank M. Mactaquac

Lieut. H. C. Allen

Name and position of observer,

F. G. Brewster
U.S. Fish Commission

NOTES RELATING TO STATION NO. 1825

Up to yesterday shrimps were
seen little.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1829

Date,

Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" " of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No.

Date.

Time of day. : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface. temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current. ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer.

Name and position of observer,

NOTES RELATING TO STATION NO.

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TEMPERATURE AND DENSITY.

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Time of day, : of tide,

Locality,

Exact position,

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Nature of bottom,

Dredging instrument used,

Direction of drift, : distance,

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" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

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" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, : force,

Rain,

Direction of surface current, : force,

" of bottom " : force,

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